



Jordan University of Science and Technology
Faculty of Veterinary Medicine
Veterinary Medicine And Surgery Department

VM430 Applied Vet Sciences And Diagnostic Lab

Summer Semester 2023-2024

Course Catalog

5 Credit Hours. The student will be trained in Veterinary Laboratory topics related to bacteriology, parasitology, Immunology and Virology applied diagnostic techniques. Students will be assigned to execute experimental projects related to veterinary laboratory diagnostics and will learn the general approaches of planning and executing scientific investigations. In addition, the students are expected to gain practical experience and skills on bioavailability and pharmacokinetics study as well as utilizing different methods to measure drug concentration. The students will also obtain direct experience in observations of physiological phenomena. The student will conduct studies under the instructor's supervision and learn reporting procedure related to pharmacological and physiological topics.

Teaching Method: On Campus

Instructor

Name	Dr. Rami Mukbel
Office Location	G1L2
Office Hours	
Email	rmmukbel@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun, Mon, Tue, Wed, Thu : 08:30 - 12:30
Room: LAB

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Bacteriology	
Week 2	Parasitology	
Week 3	Physiology	
Week 4	Anatomy	

Week 5	Virology	
Week 6	Immunology	
Week 7	Animal handling	
Week 8	Molecular Techniques	

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
The student will be trained in Veterinary Laboratory topics related to bacteriology, parasitology, Immunology and Virology applied diagnostic techniques.	30%	Mid exam
Students will be assigned to execute experimental projects related to veterinary laboratory diagnostics and will learn the general approaches of planning and executing scientific investigations.	30%	Mid exam, Final exam
the students are expected to gain practical experience and skills on bioavailability and pharmacokinetics study as well as utilizing different methods to measure drug concentration.	20%	Final exam
. The student will conduct studies under the instructor's supervision and learn reporting procedure related to pharmacological and physiological topics.	20%	Final exam

Relationship to Program Student Outcomes (Out of 100%)									
1	2	3	4	5	6	7	8	9	10

Evaluation	
Assessment Tool	Weight
Mid exam	50%
Final exam	50%

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